Oregon SCIENTIFIC

# Jumbo RF Clock with Indoor Thermometer

## Model: JM889NA

**User Manual**

# Oregon Scientific™ Jumbo RF Clock with Indoor Thermometer (JM889NA)

*User Manual*

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## INTRODUCTION

Thank you for selecting the Oregon Scientific™ Jumbo RF Clock with Indoor Thermometer as your product of choice. This device is designed to give you many years of reliable service, including the following conveniences:

- Radio-Controlled Calendar Clock*
- Indoor Temperature Display
- Daily Alarm

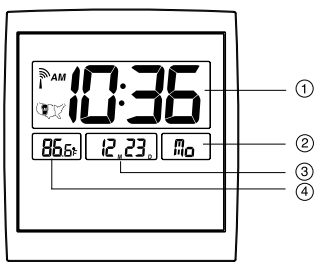
*Automatically synchronizes the current time and date when it is brought within range of the radio signal WWVB-60 Atomic Clock generated from Fort Collins, Colorado. For more information, please visit:

www.boulder.nist.gov/timefreq/stations/radioclocks.htm.

In addition to providing step-by-step instructions for this product, this manual contains important safety and care information. Read the manual thoroughly, and keep it in a safe place in case you need to refer to it.

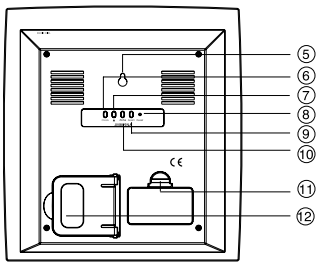
## KEY FEATURES

**Front View**




1. **Main LCD Display**
   Displays current time and radio signal reception indication
2. **Seconds / Day-of-Week Display**
   Can select between seconds or day-of-week display
3. **Current Date / Alarm Time Display**
   Can select between current date or alarm time display
4. **Indoor Temperature Display**
   Displays currently monitored indoor temperature

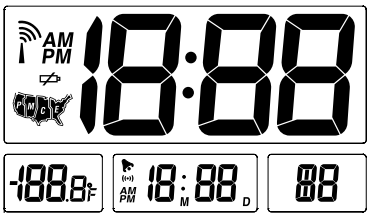
**Back View**




5. **Wall-Mount Recess Hole**
   For mounting the unit to a wall
6. **Clock Button**
   To manually adjust current time and date
7. **▲ button**
   To increase setting values or to activate clock auto-synchronization
8. **Reset Hole**
   Returns all settings to default values
9. **Alarm Button**
   To display and adjust alarm time
10. **Zone button**
    To adjust time zone or to deactivate clock auto-synchronization
11. **Battery Compartment**
    The unit uses 2 AA / UM-3 1.5V batteries for power

12. **Table Stand**
    Can be pulled out and used to stand the unit on a flat surface

**LCD Display Symbols**




| Icon | Description | Explanation |
|---|---|---|
| | Radio Reception Signal | Indicates the condition of radio reception. |
| | Low Battery | Appears when power is low. |
| | Alarm-on | Appears when alarm is activated. |
| | Alarm Time Indicator | Appears when alarm time is displayed. |
| | US Time Zone Map | Indicates the current time zone. |

## SAFETY AND CARE INSTRUCTIONS

**Safety Precautions**

Please observe the following safety precautions when setting up and using this product.

- LCD panel - The LCD panel is made of glass, and may break if the unit is dropped or impacted.
- Heat sources - Keep the product away from heat sources such as radiators, stoves, heaters, and other heat-generating products.
- Water and moisture - Do not use the product in or near water or in high moisture areas such as a bathroom.

**Caring for your Product**

To ensure you receive the maximum benefit from using this product, please observe the following guidelines.

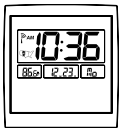
- Cleaning - Use a damp cloth. Do not use liquid cleaning agents, benzene, thinner, or aerosols.
- Ventilation - The vents and other openings are designed for ventilation, and should not be blocked or covered. Blocking the vents can cause the product to overheat, and can damage the unit.
- Repair - Do not attempt to repair the product or modify the circuitry by yourself. Contact the retailer or a qualified repairman if the product requires servicing. Only use replacement parts that are recommended by the manufacturer.
- Do not scratch hard objects against the LCD display as this may cause damage.

## GETTING STARTED

**Unpacking the product**

When you unpack your clock, make sure to keep all the packing materials in a safe place, in case you need to later transport or return it for servicing.

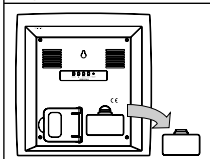
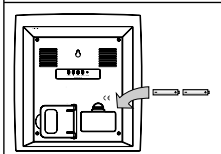
In the box, you will find:

| Clock unit | Batteries | User manual |
|---|---|---|
|  | | |

## Batteries

**NOTE** When using the product for the first time, please note that the batteries have already been installed in the unit. To operate, locate the clear plastic battery tab inside the battery compartment and remove it.

To load the batteries:

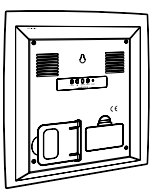
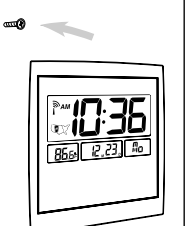
| Diagram | Instructions |
|---|---|
|  | 1. Locate the battery compartment. |
|  | 2. Install the batteries by matching the correct polarity. Always use the correct battery type (2 UM-3 AA-sized 1.5V batteries).<br>**Warning:** Reversing the polarity may damage the product. |

**NOTE** Replace the batteries whenever the weak battery mark ( ) is shown, the display is dim, or the display does not illuminate when the power is on. Replace all the batteries at the same time - it is dangerous to mix old and new batteries.

Contact your local waste disposal authority for instructions on how to dispose of used batteries. Used batteries can be harmful to the environment, and should not be thrown out with household trash.

## Placement of Unit

You can either mount the main unit on a wall or make it stand on a flat surface.

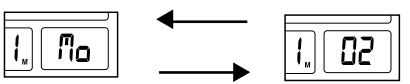
| Method | Instruction | Diagram |
|---|---|---|
| Table Stand | The unit is already equipped with a Table Stand. Simply pull out the Table Stand and rest the main unit on a flat surface. |  |
| Wall Mount | The main unit can be mounted onto a wall using a No. 6 screw (3.0mm).<br>a) Position and nail the screw into the place where you would like to hang your main unit.<br>b) Leave ample space between the wall and the screw head while testing to make sure the nail is secure.<br>c) Fit the unit's Wall-Mount Recess Hole onto the screw head. |  |

**Indoor Temperature Display**

Soon after the clear plastic battery tab has been removed, the unit immediately reads and displays the surrounding indoor temperature.

**Toggling between Seconds / Day-of-Week Display**

To toggle between displaying seconds or day-of-week on the LCD screen, press the **CLOCK** button.




## RADIO RECEPTION

This product is designed to synchronize its calendar clock automatically once it is brought within range of the radio signal. When the unit is receiving the signal, the Radio Reception symbol with start to blink. Generally, complete reception takes around 2 to 10 minutes, depending on the strength of the signal.

**Radio Reception Description**

| Radio Reception | Description |
|---|---|
| | Strong reception of radio clock signal. |
| | Weak reception of radio clock signal. |
| | No reception of the radio clock signal. |
| | Receiving the radio clock signal. |
| | Radio Reception is disabled. |

**NOTE** Reception can be affected by a number of factors. For best reception, place the device away from metal objects and electrical appliances. Other causes for signal interference include electrical transmission tower, steel reinforced construction, and metal siding. Reception is ideal when placed near a window.

Even though there are areas that may have more difficulty in receiving a signal, your clock contains accurate quartz movement and will retain precise timing if the signal is missed on a rare occasion.

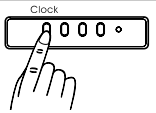
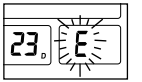
### Enabling / Disabling Radio Reception

To manually disable the reception of the radio clock signal, press and hold the **ZONE** button for 2 seconds until the Radio Reception symbol completely disappears.

To enable the reception again, press and hold ▲ button for 2 seconds. The Radio Reception symbol will blink and the unit will search for the radio clock signal automatically.

## TO SET THE CLOCK MANUALLY

**NOTE** To adjust the clock settings manually without automatic radio clock synchronization, remember to disable the Radio Reception first. Press once or press and hold the ▲ button to adjust the value of each setting.

| Diagram | Instructions |
|---|---|
|   | 1. Press and hold the **CLOCK** button for 2 seconds. |
| | 2. Adjust the current hour. Press **CLOCK** when done. |
| | 3. Adjust the current minute. Press **CLOCK** when done. |
| | 4. Adjust the current year. Press **CLOCK** when done. |
| | 5. Adjust the current month. Press **CLOCK** when done. |
| | 6. Adjust the current date. Press **CLOCK** when done. |
|  | 7. Choose the language displayed for the day-of-week. Press **CLOCK** when done. |
| | 8. LCD display returns to normal clock operation. |

### Language Options

The main unit can display the weekday in three different selectable languages.

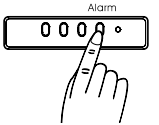
| Symbol | Language |
|---|---|
| E | English |
| F | French |
| S | Spanish |

## ALARM FUNCTIONS

### Basic Functions

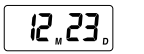
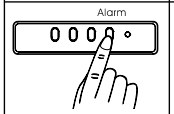
Your product can also be used as an alarm clock.

1. When the alarm goes off, youcan turn it off by pressing **ALARM**.
2. The alarm will automatically stop ringing after 2 minutes. But after 8 minutes, the alarm will sound again unless **ALARM** is pressed.



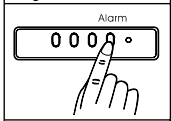
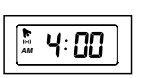

### Displaying Alarm Time

By default, the unit's LCD screen displays the current date and month. To display the alarm time instead:

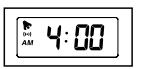
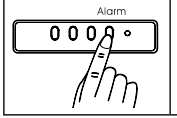
| Diagram | Instructions |
|---|---|
|  | 1. LCD screen displays the current date and month. |
|   | 2. Press the **ALARM** button. |
| | 3. The currently set Alarm Time is now displayed. |

## Adjusting the Alarm Time

To adjust the Alarm Time, make sure that the Alarm Time is currently displayed on the LCD screen.

| Diagram | Instructions |
|---|---|
|   | 1. Press and hold the **ALARM** button for 2 seconds. |
| | 2. Adjust the hour of the Alarm Time. Press **ALARM** when done. |
| | 3. Adjust the minute of the Alarm Time. Press **ALARM** when done. |
|  | 4. Adjusted Alarm Time now displayed. |

## Activating / Deactivating the Alarm

| Diagram | Instructions |
|---|---|
|  | 1. LCD screen displays Alarm Time. If is displayed, the alarm is enabled. Otherwise it is disabled. |
|   | 2. Press **ALARM** button to enable or disable the alarm. |

## RESET HOLE

If the clock behaves strangely or stops responding, insert and press a blunt stylus into the clock's **RESET** Hole. The clock will then be reset to its original factory setting.

## TROUBLESHOOTING GUIDE

This section includes a list of frequently asked questions for problems you may encounter. If your device is not operating as you think it should, check here before arranging for servicing.

| Problem | Symptom | Check This | Remedy |
|---|---|---|---|
| Radio antenna not displayed on LCD screen. | The RF signal cannot be received. | Obstacles (either electromagnetic interference or objects) are barring the signal from reaching the main unit. | Move the unit away from any sources of interference, including other electronic devices. |
| displayed on LCD screen. | Batteries of the unit are low. | Check LCD display of the unit. | Install new batteries into the unit. |
| Clock time is not correctly set. | No radio signal reception. | Electromagnetic interference or objects are barring reception. Orientation or placement of main unit is not optimum for receiving the RF signal. | Place the main unit far away from PCs, phones, and other electronic equipment. |
| No alarm | Alarm does not sound. | Alarm is disabled. | Turn on the alarm setting. |
| Operation not normal | Certain functions do not perform. | Device requires reset. | Reset the unit with a blunt stylus pressed against the **RESET** Hole. |

## SPECIFICATIONS

**Dimensions:**

| | |
|---|---|
| **Width x Height x Depth** | 8.7 x 9.2 x 0.9 inches (221 x 234 x 23 mm) |
| **Weight** | 15 oz (425 g) (without batteries) |

**Radio frequency:**

| | |
|---|---|
| **System** | WWVB-60 |

**Display:**

| | |
|---|---|
| **Time format** | 12-Hour AM / PM |
| **Date format** | MM-DD (Month-Date) |
| **Day-of-week display** | In English, French and Spanish |
| **Clock accuracy** | +/-0.5 second per day (when radio signal is disabled) |

**Alarm:**

| | |
|---|---|
| **Alarm Duration** | 2 minutes |

**Power:**

| | |
|---|---|
| **Power supply** | 2 x UM-3 / AA 1.5V batteries |

**Operating environment:**

| | |
|---|---|
| **Operation temperature** | +23°F to +122°F (-5°C to +50°C) |
| **Temperature resolution** | 0.2°F (-18°C) |
| **Default temperature unit** | °F |

## WARNINGS

To ensure you use your product correctly and safely, read these Warnings and the entire user manual before using the product. The warnings given here provide important safety information and should be observed at all times.

**WARNINGS**

- Do not attempt to repair the product yourself. Contact the retailer or our customer service department if it requires servicing.
- Take precautions when handling all battery types. They can cause injuries, burns, or property damage as a result of contact with conducting materials, heat, corrosive materials or explosives. Remove the batteries before storing the product for long periods of time.
- The product is a precision instrument. Never attempt to take this device apart. There is a serious danger of powerful electric shocks.
- Do not immerse the device in water.
- Do not, under any circumstances, touch the exposed electronic circuitry of the device as there is a danger of electric shock should it become exposed.
- Take special care when handling a damaged LCD display, as the liquid crystals can be harmful to your health.
- Do not use or store the device, including the remote sensor, in locations that may adversely affect the product such as rain, snow, desert, and magnetic fields.

- Do not use this device in aircrafts or hospitals. The use of radio frequency products can cause malfunctions in the control devices of other equipment.
- Do not subject the product to impact or shock.
- Check all major functions when the device is unused for a long period of time. This is to ensure its full operation. Maintain a regular internal testing and cleaning of your device.

## ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products such as digital cameras; MP3 players; children's electronic learning products and games; projection clocks; health and fitness gear; weather stations; and digital and conference phones. The website also includes contact information for our customer care department in case you need to reach us, as well as frequently asked questions and customer downloads.

We hope you will find all the information you need on our website, however if you'd like to contact the Oregon Scientific Customer Care department directly, please visit:

www2.oregonscientific.com/service/support

OR

Call 949-608-2848 in the US.

For international enquiries, please visit:

www2.oregonscientific.com/about/international/default.asp



JM889NA ENG R3 12 12/16/04, 5:04 PM

## FCC STATEMENT

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

**WARNING** Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE** This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.



JM889NA ENG R3 13 12/16/04, 5:04 PM

## DECLARATION OF CONFORMITY

The following information is not to be used as contact for support or sales. Please call our customer service number (listed on our website at www.oregonscientific.com), or on the warranty card for this product) for all inquiries instead.

**We**

| | |
|---|---|
| Name: | Oregon Scientific, Inc. |
| Address: | 19861 SW 95th Place, Tualatin, Oregon 97062 USA |
| Telephone No.: | 1-800-853-8883 |
| Fax No.: | 1-503-684-3332 |

**declare that the product**

| | |
|---|---|
| Product No.: | JM889NA |
| Product Name: | Jumbo RF Clock with Indoor Thermometer |
| Manufacturer: | IDT Technology Limited |
| Address: | Block C, 9/F, Kaiser Estate, Phase 1,41 Man Yue St., Hung Hom, Kowloon, Hong Kong |

is in conformity with Part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) This device may not cause harmful interference. 2) This device must accept any interference received, including interference that may cause undesired operation.

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